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The procedure for activating the Security-Lock



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Release History

Revision	Date	Content	Author
1.0	2014/02/28	It is an internal release	MF
1.1	2014/5/6	Add Appendix “How to check the connectivity of the security band	MF

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Appendix: How to check the connectivity of the security band

General

This document aims to help the users of S911 Bracelet-ST or Bracelet-HC with security band to understand how to activate the security-lock, or Tamper-detection function on a Location-Based-Service (LBS) server, here, it will be www.locationnow.com

As reference, user should have the following documents at his hand

- Bracelet user manual
- Bracelet Operation Manual

1. Configure the device to be capable of Security-Lock/Tamper-detection

By means of LocationNowSuite utility software, user can have his Bracelet-ST or Bracelet-HC with security band to be capable of 2 functions below,

- Enable Security-lock, or Tamper Detection
- Disable the Power On/Off button.

For Bracelet-ST, refer to Fig. 1-1 to complete some setting items under Special Function

- Power Button – **Disable** (or selected as **Enable**, if user still want to power on/off device)
- Tamper Detection - **Enable**

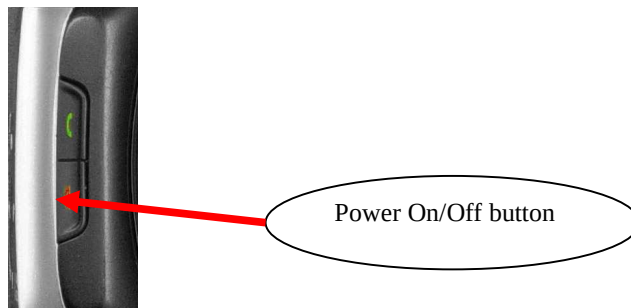




Fig. 1-1

For Bracelet-HC with security band, refer to Fig. 1-2 to complete some setting items under special Function

- HC Mode – **Enable**
- Power Button – **Disable** (or selected as **Enable**, if user still want to power on/off device)
- Tamper Detection – **Enable**



Fig. 1-2

2. Configure the device to be capable of communicating with server

Refer to “Bracelet Operation Manual”, user can configure his device to be capable of communicating with server, www.locationnow.com.

Here, it is provided that device is with the following setting to access protocol analyzer

Device ID: **10005006**
Password: **00000000**

User should use his own authorized access setting to configure his device

Primary server domain name: **laipgw1.com**
Primary port: **1688**

Fig. 2-1 to 2-3 show all those major setting items on this demo device. User should configure his device based on his situation, such as, the APN setting coming with his SIM card and correct GSM/GPRS band being used in his area.

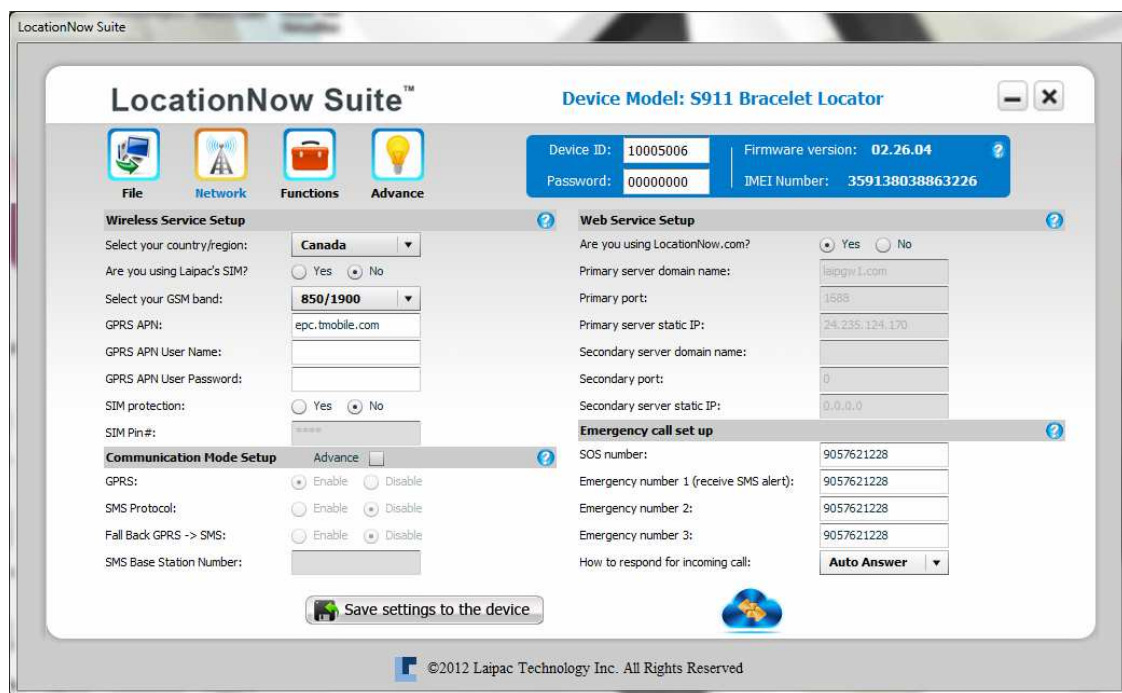


Fig. 2-1

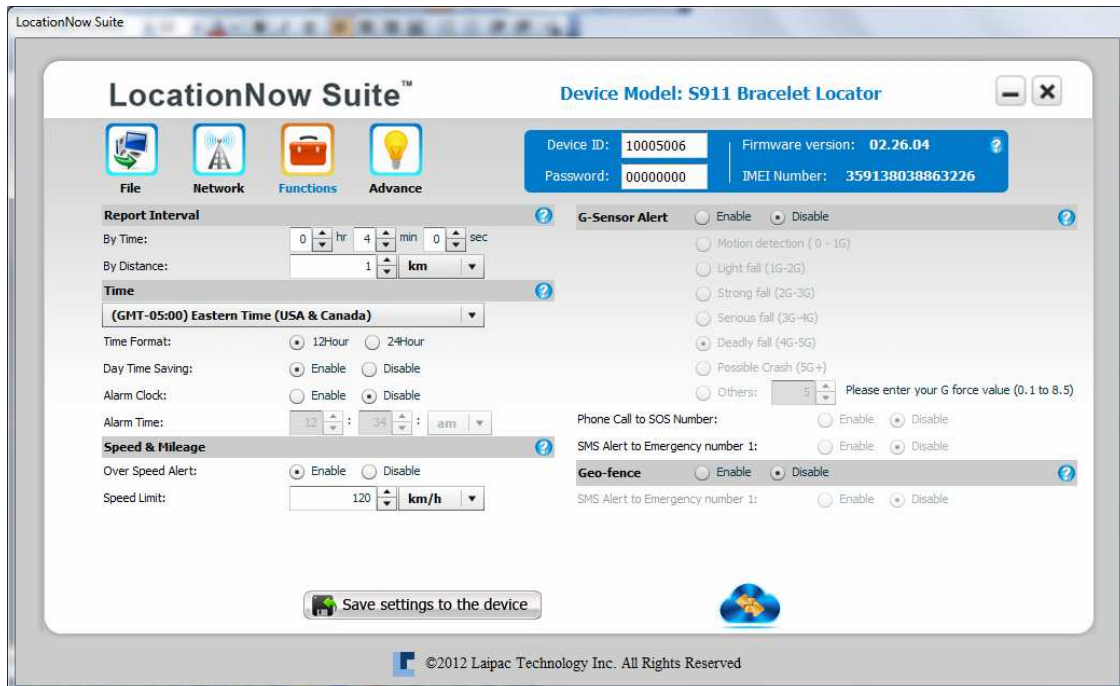


Fig. 2-2

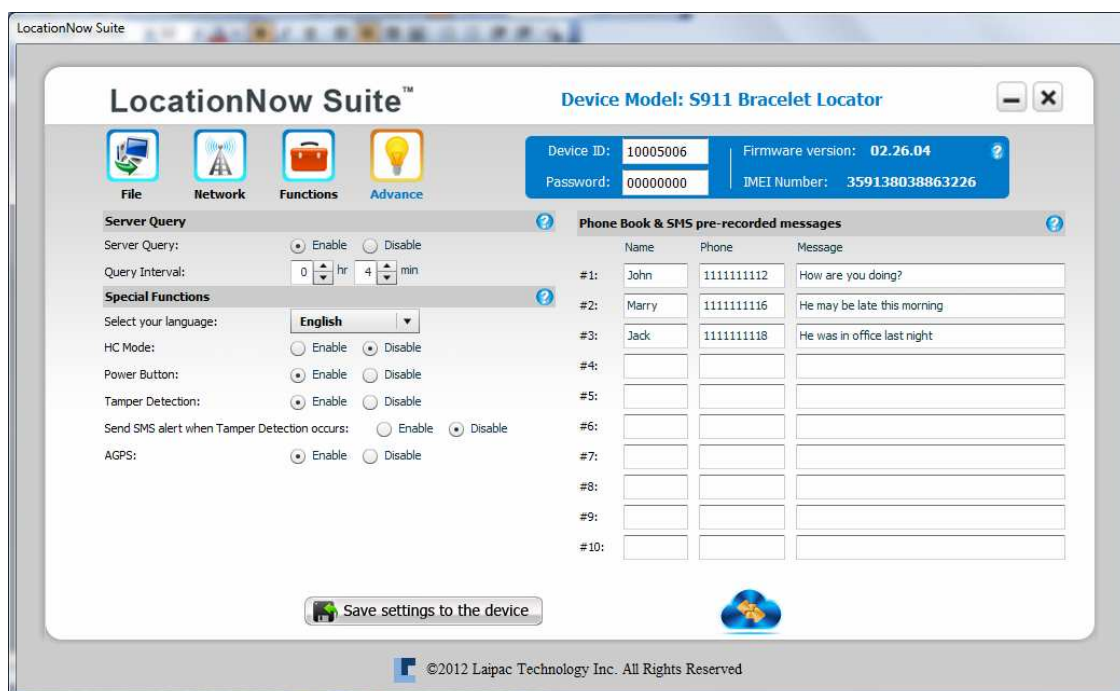


Fig. 2-3

For other detail, user could refer to “Bracelet Operation Manual”

3. Connect your device to server

3.1 Action on www.locationnow.com

- a. Login www.locationnow.com by using the authorized User ID and Password



Fig. 3.1-1

- b. Select the desired bracelet

On top left corner, in the **Locator** window, select the user's bracelet, here is BL-5006. Its Locator ID or Device ID is **10005006**. If the device has not been connected to www.locationnow.com yet, both its GSM and GPS working status indicator bar show gray color

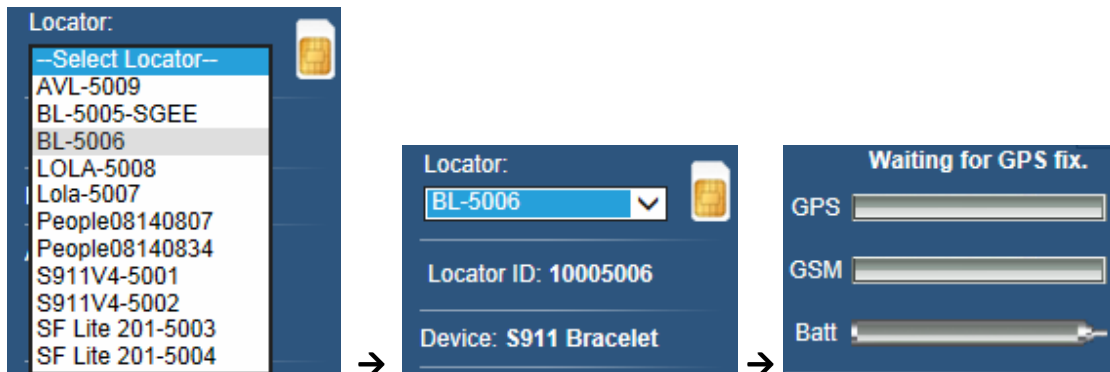


Fig. 3.1-3

3.2 Action on device

- a. After completion of configuration of device, disconnect device to computer
- b. Reset device
- c. Observe the device's LCD screen to see if it has connected to locationnow.com
- d. If it is connected, user could see the highlighted icon, within the red circle, shown on the LCD screen.

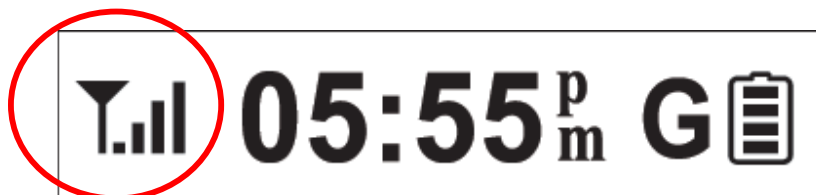


Fig. 3.2-1

- e. On locationnow.com side, he could see the GSM status indicator bar become green.
- f. If device is able to locate its position, user should also see the Bracelet icon shown on Map area and GPS status indicator bar becomes green

4. Enable the security lock and let it under the monitoring by server

4.1 Close the security lock

a. The pictures (1) to (4) show the process of closing the security lock



(1) Screws & tools for closing security-lock



(2) Tie the short security screws



(3) Tie the long security screw



(4) The closed the security-lock

b. After user closes the security lock of the Bracelet-ST, wait for a while, he will see “locked!” shown on Bracelet’s LCD screen and hear a “beeping”.

Locked!

Fig. 4.1-b

c. At same time device will send a report to server to tell latter that the security-lock on the device side has been locked.

4.2 Security-lock is under the monitoring by the remote server

- a. When server receives this report from device, it will acknowledge this report
- b. When device receives this “ACK”, it will show “Monitored!” on LCD screen as below and beeping

A rectangular box representing an LCD screen with the text "Monitored!" centered inside.**Fig. 4.2**

- c. After device is under monitoring by the remote server,
 - (1) When its security-lock is open, “Tamper open” will be shown on its LCD screen. Also, a “Tamper open” report will be sent to server.

A rectangular box representing an LCD screen with the text "Tamper open" centered inside.**Fig. (1)**

- (2) When its security-lock is close, “Tamper close” will be shown on its LCD screen. Also, a “Tamper close” report will be sent to server.

A rectangular box representing an LCD screen with the text "Tamper close" centered inside.**Fig. (2)****Note:**

If security-lock is not been closed properly, user will not see the Fig. 4.2

A rectangular box representing an LCD screen with the text "Monitored!" centered inside.**Fig. 4.2**

Appendix:**How to check the connectivity of the security band**

From the Bracelet firmware V2.64, the user of Bracelet-ST or Bracelet-HC with security band is able to check the connectivity of security band.

The checking procedure is below

- (1) Refer to section 1, means of LocationNow Suite utility 20131209 or its latest version, to configure the device to be capable of Security-Lock/Tamper-detection
- (2) Without the connection of USB cable with computer, turn on or reset device.
- (3) When user see the display below shown on device's LCD screen, press  button



- (4) Then, continuously press  up-arrow button, until user see the "Speed & Head" menu below



- (5) Press the central “OK” button, , to enter into the working mode of Security Band’s connectivity checking
- (6) When the lock of security band is open, user should see the LCD screen shows picture (6) -1. When user closes the lock of security band, if the connectivity is good, he should see the picture below



(6) -1 LCD screen display when lock is open



(6) -2 LCD screen display when lock is close and connectivity is good



(6) -3 LCD screen display when lock is close and connectivity is bad

Note:

When user finds his connectivity of security band is not good, he should check if the 2 security screws are not tied well and need adjust them